



WBS 112 commissioning

Checkout -

Test utilities (air, water, helium, vacuum, electric)

Test instrumentation read-back

Set alignment with Survey

Test remote component motion

Test remote change-out of target/horns

estimate target hall will be ready for beam ~ 12/1/2004

Commissioning -

Check timing wrt beam

Check alignment with beam

Calibrate with beam (baffle heating, budal readout, radiation levels)

Note horn and target spares will not be ready at start of run.

Baffle/Target must be in “IN” position (LE/ME or HE) for any high intensity beam spill



Residual radiation threshold

MINOS collab. Mtg
July 11-14, 2002
Target Hall Update
Jim Hylen
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First beam task: cross-check of survey with beam that -

Pretarget multi-wire/BPM

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Baffle

Target

Horn 1

Horn 2

Absorber Hadron monitor

are all in straight line

One day tune-up (3e11 pulse every 60 seconds on target, ~ 1K pulses)

leaves 150 mr/hr residual at horn after 1 day cooldown. (NuMI-NOTE-BEAM-969)

*Try to get through the scan cross check with only hundreds of pulses
so could still access target chase if scan inconsistent*

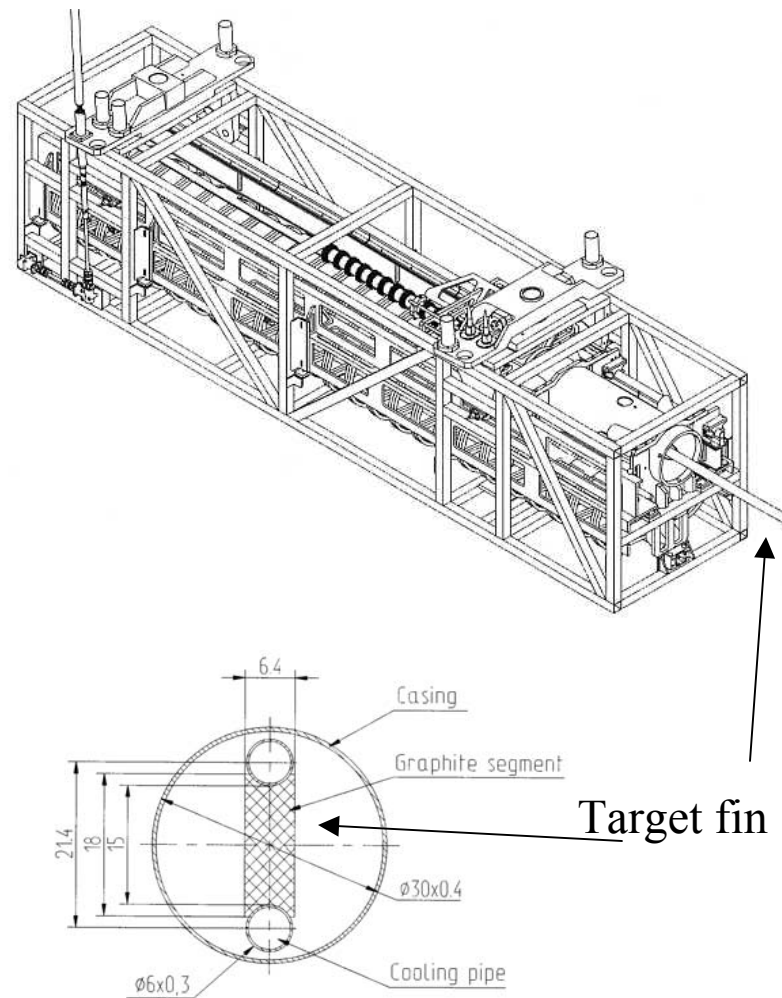
Horn Module and hole in shielding for it



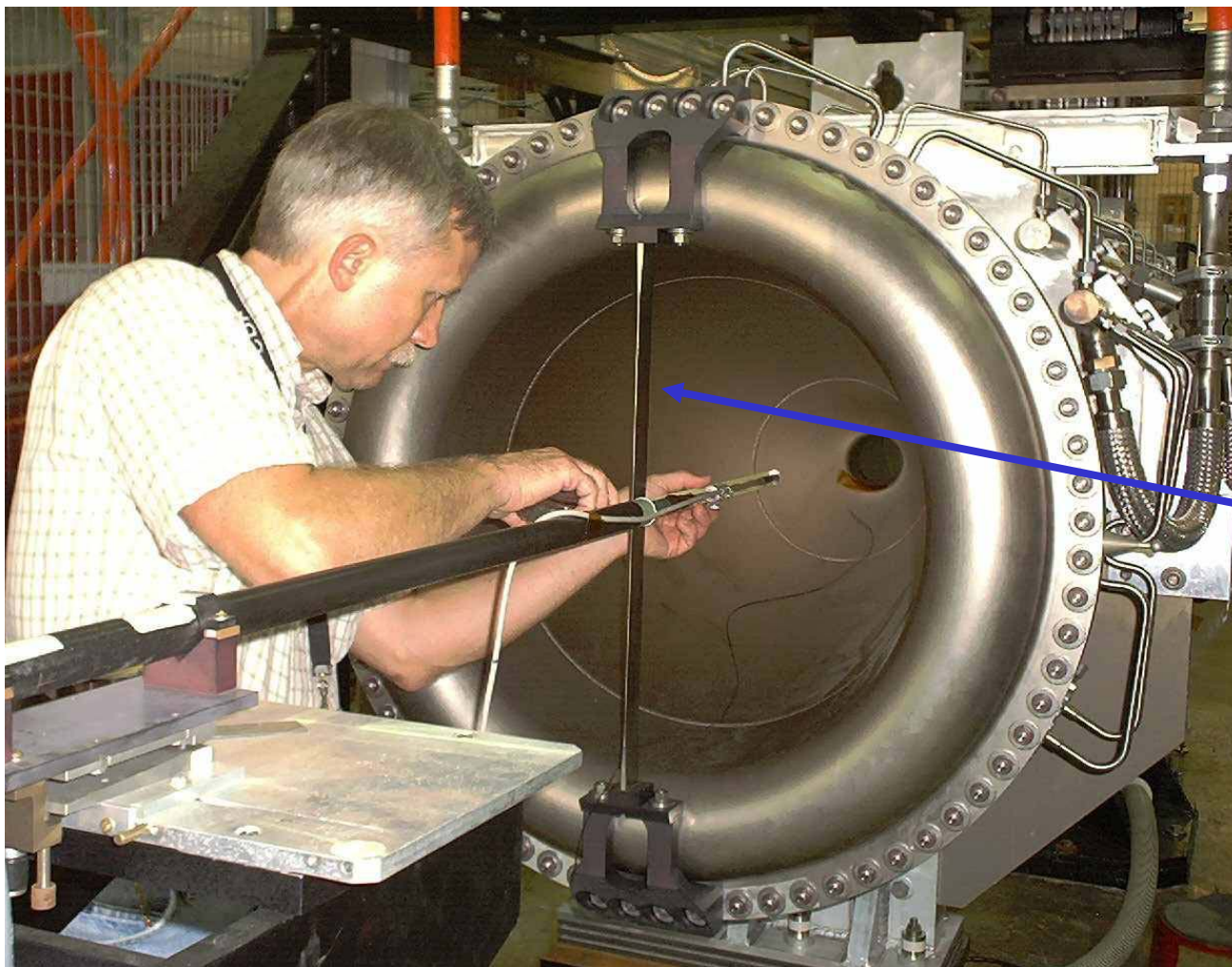


Target/Baffle carrier

beam scan across fin and baffle edges checks alignment



Horn cross-hair alignment fixture



“Cross Hair”
precision check of
horn position via
beam scan scatter
to ion chamber